



NHR ORGANIC OILS  
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## Certificate of Analysis Sheet

### Organic Wheatgerm Oil

(*Triticum vulgare*)

<b>Trade Name:</b>	Wheatgerm Oil Organic	<b>INCI Name:</b>	<i>Triticum Vulgare (Wheatgerm) Germ Oil</i>
<b>CAS No:</b>	68917-73-7 / 8006-95-9	<b>EC No:</b>	281-689-7
<b>Country of Origin:</b>	USA	<b>Country of Manufacture:</b>	USA
<b>Batch No:</b>	160524-1	<b>Application:</b>	Food, Health & Beauty
<b>Description:</b>	The oil is obtained by cold pressing / expression from the wheat germ <i>Triticum vulgare</i> , <i>Poaceae</i> .		

ANALYTICAL DETAILS	UNIT	RANGE	RESULT
Appearance @ 20°C	Organoleptic	Clear oily mobile liquid sometimes hazy	Conforms
Colour	Organoleptic	Yellow to green to brown	Conforms
Odour	Organoleptic	Characteristic	Conforms
Refractive Index @ 20°C	-	1.472 – 1.478	1.474
Specific Gravity @ 20°C	g/ml	0.920 – 0.930	0.920
Acid Value	mg KOH/g	≤ 5.0	2.4
Peroxide Value	meq O <sub>2</sub> /kg	≤ 10.0	2.0
Saponification Value	mg KOH/g	180 – 195	192.7
Iodine Value	mg/g	120 – 135	128.6
Unsaponifiable Matter	%	≤ 5.0	4.2
Vitamin E Content	mg/kg	≥ 2500	2590
Gluten Content	ppm	≤ 5.0	Conforms
Flash Point (Closed Cup)	°C	>300°	Conforms

TYPE	ACID NAME	UNIT	RANGE	RESULT
C16:0	Palmitic	%	14 – 19	17.5
C18:0	Stearic	%	≤ 2.0	0.8
C18:1	Oleic	%	12 – 23	16.8
C18:2	Linoleic	%	52 – 59	55.3
C18:3	α-Linolenic	%	3 – 10	5.9

**Storage:** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

**Shelf Life:** Once opened the shelf life of the oil is limited by temperature, light and oxygen exposure.